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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/055,639	DRAPPEL ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Janis L. Dote	1756	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/20/04.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☒ The drawings filed on 25 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>OF 3/24/04</u>.</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|---|---|

1. This office action is responsive to the amendment filed on Jan. 20, 2004 (cert. mail. Jan. 15, 2004) (Amdt012004). The examiner acknowledges the amendments to claims 1, 5, 8, 18, 19, 29, and 31 filed in Amdt012004.

The examiner notes that support for the amendments to claims 1 and 31, adding the limitation that "the interfacial adhesive layer is disposed between the charge blocking layer and the charge imaging layer," is found in the originally filed specification at page 4, line 31, to page 5, line 2; page 5, lines 21-22; and page 5, line 29, to page 6, line 1.

#### EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Andrew K. Gonsalves (Reg. No. 48,145) on Mar. 24, 2004.

The application has been amended as follows:

- Cancel claims 31 and 32.
- Claim 18 has been amended as follows:

At line 1, delete the number "1" and insert the number  
-- 22 --.

At line 2, after the word "wherein" insert the following  
phrase -- the charge generating layer is disposed next to the  
interfacial adhesive layer, and --.

The examiner notes that the originally filed specification  
provides antecedent basis for the above amendment at line 2 of  
claim 18. See the originally filed specification, Fig. 1 and  
page 6, lines 3-6, and examples 2 and 4. For example, Fig. 1  
shows that the charge generating layer 2 is disposed next to the  
interfacial adhesive layer 3.

3. The examiner's amendment to claim 18 provides proper  
antecedent basis for the recited "charge generating layer"  
recited in instant claim 18, and avoids a rejection under 35  
U.S.C. 112, second paragraph, for lack of antecedent basis for  
the recited "the charge generating layer."

The examiner's amendment canceling claims 31 and 32 avoids an objection of those claims under 37 CFR 1.75 as being substantial duplicates of instant claim 5 and 6.

**EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

4. The following is an examiner's statement of reasons for allowance:

The objection to the specification set forth in the office action mailed on Oct. 16, 2003 (CTNF101602), paragraph 3, has been withdrawn in response to amended paragraph 0030 at page 12 of the specification, filed in Amdt012004.

The objections to the specification under 35 U.S.C. 132, set forth in CTNF101602, paragraph 4, have been withdrawn in response to amended paragraph 0014 at page 5, of the specification, filed in Amdt012004.

The rejections of claims 18 and 19 under 35 U.S.C.112, second paragraph and first paragraph, set forth in CTNF101602, paragraphs 7 and 9, have been withdrawn in response to the amendments to claims 18 and 19 filed in Amdt012004, and the examiner's amendment to claim 18 set forth in paragraph 2, supra.

The objection to claim 5 set forth in CTNF101603, paragraph 10, has been withdrawn in response to the amendment to claim 5 filed in Amdt012004.

The rejections under 35 U.S.C. 103(a) of claims 1-14, 16, 20-24, 31, and 32 over US 5,686,215 (Bergfjord) combined with US 4,595,602 (Schank) and the other cited references, and of claims 1-15, 17, 20-24, 31, and 32 over US 5,418,100 (Yu'100) combined with Schank and the other cited references, set forth in CTNF101603, paragraphs 12 and 13, respectively, have been withdrawn in response to the cancellation of claims 31 and 32, set forth in the examiner's amendment in paragraph 2, supra, and the amendment to claim 1 filed in Amdt012004, adding the limitation that "the interfacial adhesive layer is disposed between the charge blocking layer and the charge imaging layer." None of the cited references teaches an electrophotographic imaging member comprising an interfacial adhesive layer comprising a copolyester-polycarbonate resin disposed between the charge blocking layer and the charge imaging layer (i.e., photogenerating layer), as recited in instant claim 1. In particular, as discussed in CTNF101603, paragraph 12, Schank teaches an interfacial adhesive layer comprising a poly(carbonate-co-ester) resin disposed between an overcoat

layer and a charge imaging layer, which does not meet the structural limitations now required in instant claim 1.

The rejection under 35 U.S.C. 103(a) of claims 1-10, 14, 17, 19-22, 31, and 32 over Japanese Patent 6-012552 (JP'552) combined with the other cited references, set forth in CTNF101603, paragraph 15, has been withdrawn in response to the cancellation of claims 31 and 32, and the amendment to claim 1 described supra. None of the cited references teaches an electrophotographic imaging member comprising an interfacial adhesive layer comprising a copolyester-polycarbonate resin between a charge blocking layer and a charge imaging layer (i.e., photogenerating layer), as recited in instant claim 1. In particular, as discussed in CTNF101603, paragraph 15, JP'552 teaches an interfacial adhesive charge transfer immediate layer comprising a polyester-carbonate polymer disposed between a charge generating layer and a charge transport layer, which does not meet the structural limitations now required in instant claim 1.

Claims 1-30 are allowable over the prior art of record for the reasons discussed supra, and for the reasons discussed infra.

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The prior art does not teach or suggest a method of making an imaging member comprising the step of forming an interfacial adhesive layer comprising a copolyester-polycarbonate resin between a charge blocking layer and a charge imaging layer as recited in instant claims 25-30.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Janis L. Dote whose telephone number is (571) 272-1382. The examiner can normally be reached Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Mark Huff, can be reached on (571) 272-1385. The central fax phone number is (703) 872-9306.

Any inquiry of papers not received regarding this communication or earlier communications should be directed to Supervisory Application Examiner Ms. Claudia Sullivan, whose telephone number is (571) 272-1052.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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*Janis L. Dote*  
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GROUP 1500  
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JLD

Mar. 25, 2004